

CLAIMS

1. Fluid product spraying device comprising a fluid product dispensing pump (10) and a spray head (20) to actuate the said pump manually (10), characterised in that the said device comprises  
5 dispensing detection means (30) to detect dispensing of a product dose, the said detection means (30) being adapted to output a signal to inform the user that a product dose has actually been dispensed by the said pump.

10 2. Device according to claim 1, in which the dispensing pump (10) is connected to a spraying orifice (40) through an expulsion channel (50), the said detection means (30) being provided in the said expulsion channel (50).

15 3. Device according to claim 2, in which the said detection means (30) comprise an expulsion detector (30) adapted to detect passage of the product in the said expulsion channel (50).

20 4. Device according to claim 3, in which the said expulsion detector (30) comprises a pressure sensor

adapted to detect the pressure difference at the time of spraying a product dose.

5. Device according to any one of the previous claims, in which the said detection means (30) are  
5 connected to electronic means to process signals output by the said detection means (30).

6. Device according to any one of the previous claims, in which the said detection means (30) are also adapted to increment or decrement a dose counter.

10 7. Device according to any one of the previous claims, in which the said device is a nasal spraying device, the said pump (10) being adapted to dispense the product so finely sprayed that this spraying is undetectable by the user, the said detection means (30)  
15 informing the user each time that a product dose has been dispensed.

8. Device according to any one of the previous claims, in which the said pump (10) operates without propellant gas and / or without active spraying means  
20 such as piezoelectric or electrostatic spraying means.